

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,684,506 B2
APPLICATION NO. : 10/589080
DATED : March 23, 2010
INVENTOR(S) : Yutaka Murakami et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1, column 19, line 13 incorrectly reads:

“makes space-time block code signal”

and should read:

“makes a space-time block code signal”

Claim 2, column 19, line 14 incorrectly reads:

“The transmitting apparatus of claim 1 further compris-”

and should read:

“The transmitting apparatus of claim 1, further compris-”

Claim 2, column 19, line 16 incorrectly reads:

“a multi-carrier modulator that assigns a signal made in th”

and should read:

“a multi-carrier modulator that assigns a signal made in the”

Claim 3, column 19, line 23 incorrectly reads:

“tus and receiving apparatus, the receiving apparatus for”

and should read:

“tus and a receiving apparatus, the receiving apparatus for”

Claim 3, column 20, line 9 incorrectly reads:

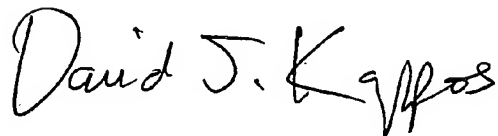
“third transmission data by estimating pattern of the”

and should read:

“third transmission data by estimating a pattern of the”

Signed and Sealed this

Third Day of August, 2010

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial 'D' and 'K'.

David J. Kappos
Director of the United States Patent and Trademark Office